Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/07/2016 10:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125720	0	2.47	125517	2.46
Blue	F	SSC	125000	128096	2	4.67	129050	4.48
Blue	E	FITC	17316	16805	-3	3.49	947	9.41
Blue	D	PE	22501	21912	-3	3.07	986	8.64
Blue	B	PerCP-Cy5-5	67647	67734	0	3.68	1789	13.32
Blue	A	PE-Cy7	80682	80987	0	4.59	1059	25.05
Red	C	APC	64263	63507	-2	2.75	3575	8.25
Red	A	APC-Cy7	96129	96158	0	2.85	1901	8.16
Violet	B	V450	11714	11232	-5	3.67	699	8.14
Violet	A	V500	48394	47729	-2	3.27	2702	6.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19643	4.17	597	8	N/A	N/A	Pass
Blue	F	SSC	63851	3.41	522	8	N/A	N/A	Pass
Blue	E	FITC	101	36.11	519	-1	0.0243	115	Pass
Blue	D	PE	203	25.66	514	0	0.1676	160	Pass
Blue	B	PerCP-Cy5-5	216	39.30	609	2	0.0112	0	Pass
Blue	A	PE-Cy7	77	100.52	666	3	0.0148	11	Pass
Red	C	APC	336	26.55	586	1	0.0208	16	Pass
Red	A	APC-Cy7	120	39.16	566	1	0.0046	911	Pass
Violet	B	V450	75	41.01	460	4	0.0460	1752	Pass
Violet	A	V500	176	22.81	493	6	0.0133	266	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.14	-30.99	0.80
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	16.10	13.28 - 19.92	N/A	N/A	31.50	31.69	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10191

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments